Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No: KMTH/C-Agg/127/2019-20	Date	13/11/2019

TEST REPORT ON COARSE AGGREGATE

Name of Client	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhirvudi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.
Name of the Project*	Construction of RCC Drain & Culverts at Hills side Meadows and Sai Nagar, Ward No.3, Yelahanka Satellite Town Sub Division.
Job Code No	003-20-000068
Client's letter dated	
Source of Sample	Supplied by the Client
No. of Sample*	Coarse Aggregate - 20mm
Date of Testing	12/11/2019
Technical Reference	IS: 2386 (Part I)– 1963 IS: 383 – 2016

Gradation of 20mm Aggregate

20mm	Weight of Sample in gm		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of soil	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	Sample conforms to IS: Stipulation for Single size Aggregate of size 20mm.
40	0	0.00	0.00	100.00	100	100	
20	450	9.00	9.00	91.00	85-100	90 to 100	
10	4410	88.20	97.20	2.80	0 to 20	25 to 55	
4.75	40	0.80	98.00	2.00	0 to 5	0 to 10	

* As furnished by the Client.

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked By
Nagaraj.K.S

Approved By
Narayanswamy.B

Material Test House Pvt. Ltd. Bangalore

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
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Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
Ph.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthbbl@...

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No: KMTH/C-Agg/128/2019-20	Date	13/11/2019

TEST REPORT ON COARSE AGGREGATE

Name of Client	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhirvudi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.
Name of the Project*	Construction of RCC Drain & Culverts at Hills side Meadows and Sai Nagar Phase 1, Ward No.3, Yelahanka Satellite Town Sub Division.
Job Code No	003-20-000068
Source of Sample	Supplied by the Client
No. of Sample*	Coarse Aggregate - 20mm
Date of Testing	12/11/2019
Technical Reference	IS: 2386 (Part I)– 1963 IS: 383 – 2016

Gradation of 40mm Aggregate

40mm	Weight of Sample		5000		IS : 2386(Part-I)		Remarks
Sieve No	Wt of Aggregate	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
63	0	0	0	100	100	100	Sample conforms to IS: Stipulation for Single size Aggregate of size 40mm.
40	458	9.16	9.16	90.84	85-100	90 to 100	
20	3128	62.56	71.72	28.28	0 to 20	30 to 70	
10	820	16.4	88.12	11.88	0 to 5	10 to 25	
4.75	350	7	95.12	4.88	-	0 to 5	

* As furnished by the Client.

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked By
Nagaraj. K

Approved By
Narayanswamy.B

Material Test House Pvt. Ltd. * Bangalore *

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No: KMTH/M-Sand/129/2019-20	Date	16/11/2019

TEST REPORT ON FINE AGGREGATES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhirvudi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.
Name of the Project*	Construction of RCC Drain & Culverts at Hills side Meadows and Sai Nagar Phase 1, Ward No.3, Yelahanka Satellite Town Sub Division.
Job Code No	003-02-000067
Source of Sample	Supplied by the Client
No. of Sample*	Fine Aggregate- M-Sand
Date of Testing	15/11/2019
Technical Reference	IS: 2386 (Part I)– 1963 , IS: 383 – 2016

Gradation of Fine Aggregate-M-Sand

Sieve No	Wt of soil	% tage retained	Cumulative % retained	% tage finer	Percentage passing for Zone I	Zone II	Zone III	Zone IV	Remarks
10	0	0	0	100	100	100	100	100	
4.75	2.6	0.26	0.26	99.74	90 – 100	90 – 100	90 – 100	90-100	
2.36	240	24.00	24.26	75.74	60 – 95	75 – 100	85 – 100	95-100	Falls in Zone – 1 as per Table 4 of IS-383 – 2016
1.18	248	24.80	49.06	50.94	30 – 70	55 – 90	75 – 100	90-100	
0.6	186	18.60	67.66	32.34	15 – 34	35 – 59	60 – 79	80-100	
0.3	124	12.40	80.06	19.94	5 – 20	8 – 30	12 – 40	15-50	
0.15	110.2	11.02	91.08	8.92	0 – 10	0 – 10	0 – 10	0-15	
Silt content				3.12	Shall not be more than 20%				Passes the requirements

* As furnished by the Client.

Note: The above Sample satisfies the requirement of Zone – 1 as per Table 4 of IS-383 – 2016

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked By
Nagaraj.K.S

Approved By
Narayanswamy.B

Karnataka Material Test House Pvt. Ltd. * Bangalore *

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No: KMTH/Cement/130/2019-20	Date	24/11/2019

PHYSICAL TEST REPORT ON CEMENT

Name of Client	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhirvudi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.
Name of the Project*	Construction of RCC Drain & Culverts at Hills side Meadows and Sai Nagar Phase 1, Ward No.3, Yelahanka Satellite Town Sub Division.
Job Code No	003-20-000068
Sample Received on	Supplied by the Client
Source of Sample	Supplied by the Client
Date of Testing	23/11/2019
Type of cement & Brand of Cement*	*OPC Cement Penna-43 Grade*
Technical Reference	IS: 403(Part I–VI) 1988 (Reaffirmed–2000) & IS: 8112-1989

Physical Properties

Sl. No.	Test Conducted	Results	IS: 8112-1989 Stipulation	Remarks
1	Normal consistency in %	34	Not specified	-
2	Initial setting time in minutes	168	Shall not be less than 30 minutes	P
3	Final setting time in minutes	321	Shall not be more than 600 minutes	P

*As Furnished by the client

F: Fails IS requirements

P : Passes IS requirement

TTC : Test to be conducted

For Karnataka Material Test House Pvt. Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy B

Karnataka Material Test House Pvt. Ltd. * Bangalore *

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No. : KMTH/Cubes-135/2019-20	Date of issue	24/11/2020

TEST RESULTS ON CONCRETE CUBES

Name of Client and Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of the Agency	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhirvudi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.
Name of the Project*	Construction of RCC Drain & Culverts at Hills side Meadows and Sai Nagar Phase 1, Ward No.3, Yelahanka Satellite Town Sub Division.
Job Code No	003-20-000067
Letter Dated	23/11/2019
Source of Sample	Supplied by the Client
Dimension of Specimens	150.00mm x 150.00mm x 150.00mm 150.00mm x 150.00mm x 150.00mm 150.20mm x 150.00mm x 150.00mm
Grade of Concrete *	M-10
Chainage in Meters	**Ch: 0.00 – 29.30 1st cross LHS**

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete cube specimens, supplied by the client and the results are tabulated here below:

Sl. No	Cubes pertaining to the concrete cast at* (Details of structural member identification)	Date of casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load in KN	Compressive Strength In N/mm^2*
1	PCC Concrete (Drains)	17/11/2019	23/11/2019	07 Days	22500	8200	253.35	11.26
2		17/11/2019	23/11/2019		22500	8158	240.52	10.69
3		17/11/2019	23/11/2019		25000	8080	296.50	11.86

1 N/Sq.mm = 10Kg/Sq.cm. (Approx.). *As Furnished by the client

**Based on the data furnished by the client

Note: A minimum of three cube specimens shall be supplied for testing as per IS: 516-1959.

For Karnataka Material Test House Pvt. Ltd

Prepared & Checked by
Nagaraj.K.S

Approved By
Narayanswamy.B

Karnataka Material Test House Pvt. Ltd. * Bangalore *

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No. : KMTH/Cubes-133/2019-20	Date of issue	31.12.2020

TEST RESULTS ON CONCRETE CUBES

Name of Client and Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of the Agency	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhivrudi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.
Name of the Project*	Construction of RCC Drain & Culverts at Hills side Meadows and Sai Nagar Phase 1, Ward No.3, Yelahanka Satellite Town Sub Division.
Job Code No	003-20-000068
Letter Dated	30/12/2019
Source of Sample	Supplied by the Client
Dimension of Specimens	151.62mm X 151.62mm X 150.80mm 150.00mm X 152.10mm X 150.48mm 151.41mm X 150.14mm X 150.82mm
Grade of Concrete *	M-20
Chainage in Meters	**C h. 0.0 to 27.6 - 1st main LHS**

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete cube specimens, supplied by the client and the results are tabulated here below:

Sl. No	Cubes pertaining to the concrete cast at* (Details of structural member identification)	Date of casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load in KN	Compressive Strength In N/mm^2*
1	Raft Concrete (Drains)	02.12.19	30.12.19	28 Days	22864.29	8300	509.87	22.30
2		02.12.19	30.12.19		22888.00	8128	541.07	23.64
3		02.12.19	30.12.19		22644.11	8246	523.07	23.10

1 N/Sq.mm = 10Kg/Sq.cm. (Approx.) *As Furnished by the client

**Based on life data furnished by the client

Note: A minimum of three cube specimens shall be supplied for testing as per IS: 516-1959.

For Karnataka Material Test House Pvt. Ltd

Prepared & Checked by
Nagaraj.K.S

Approved By
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No. : KMTH/Cubes-140/2019-20	Date of issue	08.01.2020

TEST RESULTS ON CONCRETE CUBES

Name of Client and Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of the Agency	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhivrudi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.
Name of the Project*	Construction of RCC Drain & Culverts at Hills side Meadows and Sai Nagar Phase 1, Ward No.3, Yelahanka Satellite Town Sub Division.
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettihalli, Bengaluru-560094
Job Code No	003-20-000068
Letter Dated	7.01.2020
Source of Sample	Supplied by the Client
Dimension of Specimens	152.36mm X 151.90mm X 151.36mm 152.14mm X 150.64mm X 151.14mm 151.67mm X 152.00mm X 150.47mm
Grade of Concrete *	M-20
Chainage in Meters	**Ch. 0.0 to 30.00 - 1st Cross LHS**

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete cube specimens, supplied by the client and the results are tabulated here below:

Sl. No	Cubes pertaining to the concrete cast at* (Details of structural member identification)	Date of casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load in KN	Compressive Strength In N/mm^2*
1	Side Wall Concrete (Drains)	10.12.2019	7.01.2020	28 Days	22991.58	8136	537.06	23.36
2		10.12.2019	7.01.2020		22767.72	8242	533.20	23.42
3		10.12.2019	7.01.2020		22871.44	8210	524.66	22.94

1 N/Sq.mm = 10Kg/Sq.cm. (Approx.). *As Furnished by the client

**Based on the data furnished by the client

Note: A minimum of three cube specimens shall be supplied for testing as per IS: 516-1959.

For Karnataka Material Test House Pvt. Ltd

Prepared & Checked by
Nagaraj K.S

Approved By
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No. : KMTH/Cubes-141/2019-20	Date of issue	10.01.2020

TEST RESULTS ON CONCRETE CUBES

Name of Client and Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of the Agency	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhivrudi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.
Name of the Project*	Construction of RCC Drain & Culverts at Hills side Meadows and Sai Nagar Phase 1, Ward No.3, Yelahanka Satellite Town Sub Division.
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettihalli, Bengaluru-560094
Job Code No	003-20-000068
Letter Dated	9.01.2020
Source of Sample	Supplied by the Client
Dimension of Specimens	149.37mm X 151.90mm X 152.67mm 148.15mm X 150.91mm X 151.22mm 152.61mm X 151.26mm X 151.60mm
Grade of Concrete *	M-20
Chainage in Meters	**Ch. 0.0 to 8.50 - 1st Cross LHS**

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete cube specimens, supplied by the client and the results are tabulated here below:

Sl. No	Cubes pertaining to the concrete cast at* (Details of structural member identification)	Date of casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load in KN	Compressive Strength In N/mm^2*
1	Raft Concrete (Culvert)	2.01.2020	9.01.2020	07 Days	23190.57	7710	415.10	17.90
2		2.01.2020	9.01.2020		22820.61	8015	387.48	16.98
3		2.01.2020	9.01.2020		22931.01	8000	415.05	18.10

1 N/Sq.mm = 10 Kg/Sq.cm. (Approx.). *As Furnished by the client

**Based on the data furnished by the client

Note: A minimum of three cube specimens shall be supplied for testing as per IS: 516-1959.

For Karnataka Material Test House Pvt. Ltd

Prepared & Checked by
Nagaraj.K.S

Approved By
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No. : KMTH/Cubes-143/2019-20	Date of issue	13.01.2020

TEST RESULTS ON CONCRETE CUBES

Name of Client and Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of the Agency	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhivrudi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.
Name of the Project*	Construction of RCC Drain & Culverts at Hills side Meadows and Sai Nagar Phase 1, Ward No.3, Yelahanka Satellite Town Sub Division.
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettihalli, Bengaluru-560094
Job Code No	003-20-000068
Letter Dated	12.01.2020
Source of Sample	Supplied by the Client
Dimension of Specimens	155.10mm X 151.44mm X 150.59mm 148.82mm X 154.06mm X 154.56mm 151.39mm X 150.67mm X 151.12mm
Grade of Concrete *	M-20
Chainage in Meters	**Ch. 0.0 to 8.50 - 1st Cross LHS**

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete cube specimens, supplied by the client and the results are tabulated here below:

Sl. No	Cubes pertaining to the concrete cast at* (Details of structural member identification)	Date of casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load in KN	Compressive Strength In N/mm^2*
1	Wall Concrete (Culvert)	05.01.2020	12.01.2020	07 Days	22805.34	8085	415.05	18.20
2		05.01.2020	12.01.2020		23811.51	8070	407.16	17.10
3		05.01.2020	12.01.2020		22769.25	8050	424.41	18.64

1 N/Sq.mm = 10Kg/Sq.cm. (Approx.).

*As Furnished by the client

**Based on the data furnished by the client

Note: A minimum of three cube specimens shall be supplied for testing as per IS: 516-1959.

For Karnataka Material Test House Pvt. Ltd

Prepared & Checked by
Nagaraj.K.S

Approved By
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No : KMTH/CCKerbs/134/2019-20	Date of Issue	22/01/2020

TEST RESULTS ON CEMENT CONCRETE KERBS SAMPLES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhirvudi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of the Project*	Construction of RCC Drain & Culverts at Hills side Meadows and Sai Nagar Phase 1, Ward No.3, Yelahanka Satellite Town Sub Division.
Work order Number	BBMP/EE/YNK.D/W.O/230/2019-20
Job Code No	003-20-000068
Sample Received on	22/01/2020
Source of Sample	Supplied by the Client
Number of Specimens*	3 No`s Cement Concrete Kerbs
Size & Shape of Sample	Kerbs Length -450mm, Height-400mm,Width-(top-114+bottom-165)mm
Date of Testing	

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F. H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
1	S-01	95.00	190.00	2.00	7085	118.2	16.68	1.00	16.68	20.86	20.85	2.8820	0.00135	2141.03
2	S-02	95.00	188.00	1.98	7085	118.2	16.68	1.00	16.65	20.81		3.1200	0.00133	2342.50
3	S-03	95.01	191.00	2.01	7086	118.2	16.68	1.00	16.70	20.87		2.9680	0.00135	2192.92

*As furnished by the Client

Remarks:

For Karnataka Material Test House Pvt. Ltd.,

Prepared & Checked by
Nagaraja K S

Approved by
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No : KMTH/Slabs/137/2019-20	Date of Issue	26/01/2020

TEST RESULTS ON 100MM THICK CEMENT CONCRETE SLABS SAMPLES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhirvudi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of the Project*	Construction of RCC Drain & Culverts at Hills side Meadows and Sai Nagar Phase 1, Ward No.3, Yelahanka Satellite Town Sub Division.
Work order Number	BBMP/EE/YNK.D/W.O/185/2019-2020
Job Code No	003-20-000068
Sample Received on	25/01/2020
Source of Sample	Supplied by the Client
Number of Specimens*	3 No`s Cement Concrete Slabs
Size & Shape of Sample	slab Length -920mm, Height-100mm,Width600mm
Date of Testing	

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F. H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
1	S-01	95	98.80	1.04	7085	125.6	17.73	0.89	15.86	19.82	20.04	2.2420	0.00070	3203.04
2	S-02	95	99.40	1.05	7085	126.8	17.90	0.90	16.02	20.03		2.3620	0.00070	3354.10
3	S-03	95	99.60	1.05	7086	128.4	18.12	0.90	16.22	20.28		2.7845	0.00071	3945.30

*As furnished by the Client

Remarks:

For Karnataka Material Test House Pvt. Ltd.,

Approved by
Narayanswamy.B

Prepared & Checked by
Nagaraja K S

.....End of Report.....

Note: 1) This report is not to be reproduced except in full without our prior permission in writing
2) The results listed refer only to the tested samples and applicable parameters
3) Any Correction in this report will this report Invalid

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No : KMTH/slabs/138/2019-20	Date of Issue	26/01/2020

TEST RESULTS ON 250MM THICK CEMENT CONCRETE SLABS SAMPLES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Technical Director Karnataka Rural Infrastructure Development Limited, Grameenabhirvudi Bhavan, 4th and 5th Floor, Ananda Rao circle, Bangalore - 560009.
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of the Project*	Construction of RCC Drain & Culverts at Hills side Meadows and Sai Nagar Phase 1, Ward No.3, Yelahanka Satellite Town Sub Division.
Work order Number	BBMP/EE/YNK.D/W.O/230/2019-20
Job Code No	003-20-000067
Sample Received on	25/01/2020
Source of Sample	Supplied by the Client
Number of Specimens*	3 No`s Cement Concrete Slabs
Size & Shape of Sample	slab Length -1500mm, Height-250mm,Width460mm
Date of Testing	

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F. H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
1	S-01	95	250.00	2.63	7085	123.8	17.47	1.07	18.69	23.36	23.46	2.6240	0.00177	1481.52
2	S-02	95	248.80	2.62	7085	125.1	17.66	1.07	18.86	23.58		2.4260	0.00176	1376.33
3	S-03	95	249.80	2.63	7085	124.2	17.53	1.07	18.74	23.43		2.3980	0.00177	1355.00

*As furnished by the Client

Remarks:-

For Karnataka Material Test House Pvt. Ltd.,

Prepared & Checked by
Nagaraja K S

Approved by
Narayanswamy.B

.....End of Report.....

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